Title: RT Scheduling Database Activities

Objectives:
- Verify ability to Add, Modify, and Delete:
  - ⇒ SGLT Resource Availability
  - ⇒ TDRS Resource Availability
  - ⇒ TDRS Resource Schedulable Characteristics
  - ⇒ TDRS Sets
- Verify ability to Add, Modify, Copy, and Delete SSCs and PEs
- Verify ability to Modify a Customer's Schedule Distribution List
- Verify ability to Modify Mission Priorities
- Verify ability to Edit Scheduling Control Information including:
  - ⇒ Wait List Processing
  - ⇒ Absolute and Relative Boundaries
  - ⇒ Automatic and Batch Scheduling
  - ⇒ Alert Periods
  - ⇒ TUT Controls
- Verify ability to View, Create, Activate, Delete, Rearrange, and Restore a Scheduling Priorities List
- Characterize effectiveness, usability, and timeliness of new SPSR tools
- Train SO and fill out skills catalogs and Training Event Reports (TERs)
- Document Verification

Configuration:
System will be configured in the internal test configuration with the NTS configured to simulate the externals. All operator actions resulting in system output will be directed to NTS. (See Figure 1.)

Prerequisites:
- NSIA will configure system as pictured.
- Operator will review the SPSR User's Guide.
- All test and operator accounts are set up.
- Copy of current static database is present, and if not a static migration is performed.
- NSIA will take a database backup.

Data Source:
N/A

Ops Scenario: (Italicized steps are performed by NSIA, all others are performed by the operator.)
1. Review the SGLT Resource Availabilities
2. Modify a SGLT Resource Availability
3. Delete that Availability.
4. Add the original Availability back into the database.
5. Verify all changes were made.

6. Review the TDRS Resource Availability
7. Modify a TDRS Resource Availability
8. Delete that Availability.
9. Add the original Availability back into the database.

10. Verify all changes were made.

11. Review the TDRS Schedulable Characteristic
12. Modify a TDRS Schedulable Characteristic
13. Delete that Characteristic.
14. Add the original Characteristic back into the database.
15. Verify all changes were made.

16. Review the current list of TDRS Sets.
17. Select a Set and add a member to it.
18. Remove a member from the Set.
19. Delete the Set.
20. Add the original Set back into the database.

21. Review an SSC.
22. Copy that SSC to a new one.
23. Modify the new SSC.
24. Add an SSC.
25. Delete the new SSCs.

26. Repeat steps 21-25 for a PE.

27. Review and Modify a customer's Schedule Distribution List.

28. Review and Modify the Mission Priorities List.

29. Review the Scheduling Control Information.
30. Set the Wait list Processing Controls.
31. Reset the absolute and relative boundaries.
32. Reset the current batch boundary and active period end.
33. Reset the Alert Period Parameters.
34. Set the TUT Controls.

35. Review the Scheduling Priorities Lists.
36. Create a new List.
37. Activate that List.
38. Rearrange the new List.
39. Restore the default List.
40. Delete the new List.

41. *Restore the database from backup.*

Roles and Responsibilities:
SO:
- Complete the SO Position Log IAW Local Operating Procedures.
- Perform all Operator Actions Database Maintenance Activities.
- Respond to Alerts.
- Checkout redlined version of LOPs including, but not limited to:
    - NCC-LOP-002   OPM-59 Message Processing
    - NCC-LOP-006   OPM-54 WSC Scheduling Request Message Processing
    - SU-SO-LOP-001   Daily Review Event Logs
    - SU-SO-LOP-002   Console Position Log
    - SU-SO-LOP-003   Scheduling of TDRSS Customers

- SU-SO-LOP-004   Communication Test Messages (CTM)
- SU-SO-LOP-006   WSC Schedule Transmission/Retransmission
- SU-SO-LOP-007   Shift Preparation Items
- SU-SO-LOP-009   User Event Accountability Process
- SU-SO-LOP-010   Scheduling S0200PMs for Blocking TDRS Resources
- SU-SO-LOP-011   BRTS Telemetry and Tracking Data message Playbacks
- SU-SO-LOP-012   OPM-54 Processing and Distribution
- SU-SO-LOP-015   TDRSS BRTS Scheduling
- SU-SO-LOP-016   Rescheduling of Events
- SU-SO-LOP-018   Verbal GN Support
- SU-SO-LOP-019   Playback Requests
- SU-SO-LOP-023   Scheduling an SN S/C Emergency When TDRSS Resources Are Already Allocated

NSIA:
- One NSIA engineer required.
- Configure system.
- Perform all italicized steps in test case.
- Observe/assist SO in completion of all other steps.

DOCS:
- Checkout redlined version of the following documents:
  - 532-HB-NCC/SO   Scheduling Handbook (Real Time Section).
  - TBD   SPSR User's Guide

Estimated Run Time: 4 hours

Written By: Melanie Wiedmann

Figure 1: Test Configuration

NCC98 (OET)